

Full
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CONFIDENTIAL

Site Reassessment

CONFIDENTIAL

SITE INSPECTION
WORK PLAN FOR A
Site Assessment
for.

US EPA RECORDS CENTER REGION 5



452274

SITE NAME Gary Development

LOCATION 479 North Cline Avenue

EPA ID# IND077005916

City/State Gary/Indiana

Prepared by
Site Investigation Section
Indiana Department of Environmental Management

Preparer Mark Jaworski

Date 3-14-05

Reviews and Approvals

Project Manager

Mark Jaworski

Date 3-14-05

Site Investigation Chief

Date

Geology

Kevin L. Houghton

Date 3-15-05

Chemical Evaluation

Kristy M. McDowell

Date 3-15-05

EPA

J. Belz

Date 4/4/05

Health and Safety

Date

April-19-20

MAR-15-2005 TUE 03:25 PM IDEM OLO

FAX NO. 317 234 0428

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
FIELD INVESTIGATION TEAM
WORK PLAN

SECTION I. General Information

SITE NAME Gary Development Landfill

LOCATION 479 North Cline Avenue

PROPOSED DATE OF INSPECTION TBD

ESTIMATED FIELD HOURS 12 Hours

PROJECT OBJECTIVE The objective of this sampling event will be to determine if the groundwater to surface water pathway (wetlands and sensitive environments) have been impacted.

PROJECT DESCRIPTION This project will consist of obtaining 5 to 12 groundwater water samples, which includes one background water sample, a duplicate, and a trip blank (Refer to Sample Justification), and 10 sediment samples which includes one (1) duplicate and a background.

BACKGROUND REVIEW PERFORMED YES X NO

Preliminary HRS Route Score GW SW 60 AIR

DC NE F&E

Total
Score (Sm) 30

Projected HRS score with
field work

GW SW 60 AIR

DC F&E

Total
Score (Sm) 30.00

INSPECTION PRIORITY LOW MEDIUM X HIGH

SECTION II. Site/Waste Characteristics

TYPE OF FACILITY Landfill

SITE DESCRIPTION The site lies in a predominantly industrial area surrounded by some residential property.

DISPOSAL METHODS Landfilled

FEATURES OF DISPOSAL AREA Refer to the site History narrative.

HISTORY (complaints, agency information, previous action)

The Gary Development Landfill is an interim status RCRA land disposal facility. U.S. EPA has requested that the CERCLA program address the site. The site is 62 acres total of which approximately 55 acres were utilized for solid and hazardous waste disposal. The site operated from 1974 to 1987. The site is now abandoned and the corporation dissolved. The site accepted volatile organic compounds, semi-volatile organic compounds, asbestos, and pesticides.

A review of IDEM records show that uncontrolled and untreated drainage was allowed to discharge directly into the Calumet River at the time the landfill was active. Four monitoring wells were installed on site. The water in the monitoring wells were collected and analyzed in 1990. Low levels of some metals, volatile organic compounds, semi volatile organic compounds, and pesticides were detected however, most of these parameters were found to be out of control by the laboratory and therefore not useable.

In 1986, U.S. EPA issued a RCRA 3008(a) administrative complaint and compliance order, which alleged that GDC accepted hazardous waste for disposal at their landfill which neither achieved interim status under RCRA, nor obtained a RCRA permit. Gary Development's appeal was dismissed as untimely in August 1996. After negotiations, a consent decree required Gary Development to pay \$40,000 into a trust fund. EPA received \$86,000 in fines. The monies in the trust fund are to be used for the purpose of performing closure and post-closure care of the landfill, and conducting a ground water quality assessment program. In addition, the monies should be

used for remediation of contamination and/or the prevention of releases of hazardous substances at the site.

Current cost estimates for site assessments, cover and vegetation, erosion control measures, groundwater monitoring wells, gas system installation-flares, drain and fill ponds, and other work exceeds \$5 million.

STATUS Active___ Inactive X Unknown

WASTE TYPE(s) Liquid X Solid X Sludge X Gas ___ Unknown

CHARACTERISTICS Corrosive ___ Ignitable ___ Radioactive

 Volatile X Toxic X Persistent

 Reactive ___ Incompatible ___ Unknown

 Other _____

SECTION III. Hazard Evaluation

SUBSTANCES BELIEVED TO BE PRESENT Numerous

SECTION IV. Field and Laboratory Work Required

Establish Perimeter	Yes <u>X</u>	No
Map	Yes <u>X</u>	No
Identify Contamination Zone	Yes _____	No
Geophysical Work	Yes _____	No

If Yes, specify

Drilling	Yes _____	No <u>X</u>
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Determine location of wells	Yes _____	No
Installation plans attached	Yes _____	No

Sampling Required	Yes <u>X</u>	No
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Identify locations	Yes <u>X</u>	No
Map attached	Yes <u>X</u>	No

If No, attach information

Locations undetermined at this
time

Perform Site Recon	Yes <u>X</u>	No
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If No, attach information

Field Equipment Requirements

Item

Quantity

Refer to Equipment List

SUMMARY OF PROCEDURES AND ADDITIONAL COMMENTS: *(Sample point selection method)*

Refer to Sample Justification Narrative

SITE SAFETY PLAN

PREPARED BY:
APPROVAL:

Mark J. Javorski

Section I. Site Safety Work Plan

Site Secured

Yes

No

Perimeter Identified

Yes

No

Contamination Zones Identified

Yes

No

Physical Hazards (Please check each that applies)

☒ Heightened work surface Notes/Measurements:

*Class, sharp objects may be protruding from surface.
Crullies are present throughout the site.*

☐ Impact Notes/Measurements:

☐ Falling or flying objects

☐ Overhead work or projection

☐ Compression Notes/Measurements:

☒ Rolling or pinching objects

☒ Hands

☒ Feet

☐ Impact

Penetration Notes/Measurements:

☒ Sharp objects which may pierce the hands or feet.

Heat Notes/Measurements:

☐ Burns

☐ Eye Injury

☐ Radiant heat

☐ High humidity

☐ High temperatures

☐ Lack of adequate ventilation

☒ Cold Notes/Measurements:

☐ Ionizing & Non-ionizing Radiation Notes/Measurements:

☐ Gamma Rays ☐ Beta particles ☐ Alpha particles

☐ Ultraviolet ☐ Infrared ☐ Microwaves

(If present contact ISHD Radiological Section 233-7153)

☐ Electrical Notes/Measurements:

NONE

☐ Noise Notes/Measurements:

NONE

☐ Confined spaces Staff will not enter confined spaces.

NONE

Biological Agents Notes/Measurements:

☐ Tuberculosis ☐ Hepatitis B ☒ Tetanus

☒ Poison Ivy ☒ Insects ☒ Stray Animals

Are Engineering controls possible? Yes ☒ No (Explain)

Air monitoring will be conducted. Staff will be monitored for heat/cold stress.

Are Administrative controls possible? Yes No (Explain)

Staff will be instructed to avoid areas of potential risk. A buddy system will be used.

Level of Protection A B C D Unknown

All samplers will wear P95 masks while sampling.

Modifications

All personnel will bring all health and safety equipment and prepare and respond as necessary

Equipment and Materials

Plastic scoops will be used for the collection of all soil samples

Site Entry Procedures

Exit and Decon Procedures:

All samples will be obtained using dedicated sampling equipment.
Staff will not decon any sampling equipment.

Method of Wastes Disposal Generated as a Result of Inspection

All generated derived waste will be disposed of properly

Personnel Required

<u>Name</u>	<u>Training</u>	<u>Function</u>
Mark Jaworski	40 Hour	Project Manager
Trevor Fuller	40 Hour	Sampler
Doug Fisher	40 Hour	Sampler
Dan Chesterson	40 Hour	Sampler
Bill Giles	40 Hour	Sampler
Tim Johnson	40 Hour	Sampler
Mike Sickels	40 Hour	Sampling Assistant

Site Resources (check applicable)

Water

Telephone

Radio

Other (specify)

Local Resources

	<u>Name</u>	<u>Number</u>	<u>Address</u>
Ambulance	NA	911	NA
Hosp. Emerg.	Fulaski Memorial	946-2100	626 E. 13 th . St.
Police Dept.	Fulton Co. Sheriff	(574) 233-2819	815 Madison
Fire Dept.	Leiters Ford Fire	574-542-4676	
Airport	NA		

Directions to Hospital (attach map)

Writing of John Pasley

Section III. Emergency Contacts

Dr. Raymond Harbison	501/661-5756 or 5757
MED-TOX	501/370-8203
Regional Safety Coord.-Don Woods	312/985-3816
Regional Health Maint. 8-5 daily	312/832-8820
Epidemiologist-Dollis Wright	317/383-6554
CDC	404/329-2888 or 3311
EPA Emergency Response	312/353-2318
Indiana State Emergency Response	317/233-7745
Louise Fabiniski (ATSDR-EPA)	312/886-0840
Indiana State Chemist	317/494-1492

Department of Environment
Quality Assurance Records Log

Site Name

Early Development
~~Brain Scoring~~

Record and Documentation

(check all that apply)

Site ID Number

General Work Plan

X

Safety Plan

X

Log Books

X

Photos

X

Chain of Custody

X

Traffic Reports

X

Field Collected Information

X

Analytical Information

QA

Technical Review

Editorial Review

QA Report

QA Record

Calibration Record

Preinspection Meeting

Drilling Logs

Correspondence

Reports

Record Description

Document No.

**IDEM SITE INVESTIGATION & MONITORING
SAMPLING EQUIPMENT LIST
(not inclusive)**

<u>QTY.</u>	<u>ITEM</u>	<u>LOCATION</u>
Soil Sampling Equipment		
_____	Geoprobe	NA
_____	Generator	NA
_____	Vehicles (2 Suburbans: SI Pool)	IGC-N Garage 5 th Floor (Doug Fisher)
_____	Vehicles (IDEM pool)	IGC-S Garage 5 th Floor (Nicole Kane)
_____	Other: _____	
Water Sampling Equipment		
_____	3/4" Teflon Bailer & Rope (nylon, dedicated)	Shadeland Warehouse
_____	4" Teflon Bailer & Rope (nylon, dedicated)	Shadeland Warehouse
_____	Filter Stand Apparatus	Shadeland Warehouse
_____	Filter Paper (.45 um)	Shadeland Warehouse
_____	Static Water Level Indicator	Shadeland Warehouse
_____	Hydrolab (pH, SC, temp meter)	Shadeland Warehouse
_____	Hydac (pH, SC, temp)	Shadeland Warehouse
_____	Pond Sampler	Shadeland Warehouse
_____	Orion (pH meter)	Shadeland Warehouse
_____	Conductivity Meter	Shadeland Warehouse
_____	Bacon Bomb, Wildco	Shadeland Warehouse
_____	Other: _____	
Soil Sampling Equipment		
_____	Power Auger	Shadeland Warehouse
_____	Small Auger	Shadeland Warehouse
_____	Soil Core Sampler, Back-Saver	Shadeland Warehouse
_____	Stainless Steel Insert, Back-Saver	Shadeland Warehouse
_____	Auger Soil Sampler With "T" Handle	Shadeland Warehouse
_____	Soil Sampling Kit	Shadeland Warehouse
_____	Metal detector	IGC-N Dave Appel
_____	Coliwasa (disposable)	Shadeland Warehouse
_____	Grain Thief (granular solid sampler)	Shadeland Warehouse
_____	Other: _____	
Sludge Sampling Equipment		
_____	Sludge Core Sampler, Wildco (& inserts)	Shadeland Warehouse
_____	Shallow Sludge Sampler (PACS)	Shadeland Warehouse
_____	Acetate Zero Contamination Insert	Shadeland Warehouse
_____	Ponar Grab Dredge (9" X 9")	Shadeland Warehouse
_____	Steel Cable (For Dredge)	Shadeland Warehouse
_____	Trier Sampler	Shadeland Warehouse
_____	Ponar Grab, Wildco	Shadeland Warehouse
_____	Other: _____	

SAMPLING EQUIPMENT LIST
(not inclusive)
Continued

<u>QTY.</u>	<u>ITEM</u>	<u>LOCATION</u>
Drum Sampling Equipment		
	Flint Glass/Plastic Tube (" ID)	Shadeland Warehouse
	Solvent/Waste Container	Shadeland Warehouse
	Other: _____	
Air Sampling Equipment		
	HNu Photoionizer	Shadeland Warehouse
	Gastechtor	Shadeland Warehouse
	X-Met 840 X-Ray Fluorescence Analyzer	Shadeland Warehouse
	Geiger Counter	Shadeland Warehouse
	Span Gas Cylinder For Calibration Part #83-101-351	Shadeland Warehouse
	Regulator For Use With The Span Gas Cylinder	Shadeland Warehouse
	Calibration Kit For Gastechtor Model #1314	Shadeland Warehouse
	CGI & O ₂ Meter	Shadeland Warehouse
	Gastechtor (Model #1314, STK #72-0135)	Shadeland Warehouse
	Other: _____	
Pumps		
	Fultz Pump (portable well pump)	Shadeland Warehouse
	Keck Pump (1-portable, 2-auto battery)	Shadeland Warehouse
	Well Wizard Bladder Pump	Shadeland Warehouse
	Well Wizard Controller	Shadeland Warehouse
	Submersible Pump	Shadeland Warehouse
	Peristaltic Pump	Shadeland Warehouse
	Other: _____	
Tools		
	Stainless Steel Spatula	Shadeland Warehouse
	Post Hole Digger	Shadeland Warehouse
	Shovel (pointed tip)	Shadeland Warehouse
	Plastic Scoop (disposable)	Shadeland Warehouse
	Metal (chrome plated) Trowel	Shadeland Warehouse
	Stainless Steel Trowel	Shadeland Warehouse
	100 ft. Steel Tape Measure	Shadeland Warehouse
	Rock Pick (20 oz. Chisel Edge)	Shadeland Warehouse
	Tool Box	Shadeland Warehouse
2	Stainless Steel Bucket	Shadeland Warehouse
	Stainless Steel Pouring Beaker	Shadeland Warehouse

SAMPLING EQUIPMENT LIST
(not inclusive)
Continued

<u>QTY.</u>	<u>ITEM</u>	<u>LOCATION</u>
Tools (cont.)		
_____	Plastic Bucket	Shadeland Warehouse
_____	Weed Whip	Shadeland Warehouse
_____	Rope	Shadeland Warehouse
_____	Other: _____	
_____	Walkie Talkies	IGC-N
_____	Radio Head Set w/Throat Mikes	
_____	Cell phone(s)	IGC-N Faye Barrett
_____	Other: _____	
Personal Protection Equipment		
_____	Self-Contained Breathing Apparatus	Shadeland Warehouse
_____	MSA Custom 4500 Air Mask	Shadeland Warehouse
_____	Air Cylinder	Shadeland Warehouse
_____	Ultravue Face Piece	Shadeland Warehouse
_____	MSA or SCOTT Respirator	Field Bag
_____	(Ultra-Twin, Full Face)	
_____	MSA or SCOTT Respirator Cartridges	Shadeland Warehouse
_____	Other: _____	Shadeland Warehouse
Clothing		
_____	Saran X Level C Outerwear	SW/Field Bag
_____	Boot Covers NUKE BOOT 2W (pairs)	SW/Field Bag
_____	Gloves (disposable Nitril, latex, pairs)	SW/Field Bag
X	Hard Hat	Field Bag
_____	Other: _____	
Packing/Shipping		
X	Cooler	Shadeland Warehouse
_____	Ice	Shadeland Warehouse
_____	Padding Material for Coolers	Shadeland Warehouse
X	Duct Tape	SW/Field Bag
X	Plastic Trash Bags & Baggies	SW/Field Bag
_____	Clipboard	Field Bag
_____	Paperwork	Office
_____	(Placards, Sample Sheets, Chain of Custody)	
X	Maps (State, City, Site)	Office/Field Bag
X	Pens, Permanent Markers	Office

SAMPLING EQUIPMENT LIST

(not inclusive)

Continued

QTY.	ITEM	LOCATION
Packing/Shipping (cont.)		
X	Custody Seals	EPA/Mark Jaworski
X	Labels	EPA/Mark Jaworski
	Personal Copier & Toner Cartridge	NA
	Stretch Film Dispenser	Shadeland Warehouse
	CLP Forms	EPA/Mark Jaworski
	Laptop Computer/Printer	IGC-N Faye Barrett
X	Packing Tape/Dispenser	Sandy Bardes
	Tax Exemption Form	Office
	Other: _____	
Decontamination		
	Decon Tub	Shadeland Warehouse
	Decon Brush	Shadeland Warehouse
	Sheet Plastic	Shadeland Warehouse
	Alconox	Shadeland Warehouse
	Paper Towels	SW/Field Bag
	Pressure Sprayer (w/ DI Water)	Shadeland Warehouse
	Other: _____	
Safety		
	Fire Extinguisher	Shadeland Warehouse
	Field Bag (includes First Aid Supplies)	Office
	Eye Wash	Shadeland Warehouse
	Other: _____	
Bottles		
1 box Room/MJ	40-ml VOA Bottles/Vials	Shadeland Bottle
1 BOX Room/MJ	1-L Plastic Containers	Shadeland Bottle
3 BOXES Room/MJ	1-L Amber Glass Bottles (Wide Mouth)	Shadeland Bottle

1-L Amber Glass Bottles (Narrow Mouth) Shadeland Bottle

Room/MJ

250-ml Amber

Shadeland Bottle Room/MJ

Other: _____

Other

____ 5L Carrying Bag
____ Camera (35mm) & Case
____ X Film
____ Digital Camera
____ 3 2 A Disks
____ Flashlight (w/Batteries)
____ Other: _____

IGC-N Doug Fisher
IGC-N Pat Beeler
IGC-N Faye Barrett
Office
Field Bag

Revised

Sample Justification

Water samples will be obtained from the on-site pond and from water samples obtained from a Geoprobe.

One water sample will be obtained from the pond at a depth of less than or equal to 12 inches (GW1). The second water sample (GW 2) will be obtained from the bottom of the pond

Staff will obtain ground water samples using the geoprobe from 4 groundwater sample locations. The locations will be about 30 feet away from where the landfill was active according to historic/recent aerial photos. Groundwater is assumed to be quite shallow. Two water samples, one shallow and one deep is proposed from each sample location. Five Geoprobe groundwater sample locations are proposed. The groundwater samples obtained from the geoprobe are designated as Geo3 through Geo 11. Geo 11 will be a duplicate of GEO sample 10. Geo 1 and Geo 2 have been eliminated as background groundwater samples because it was found that the area was inaccessible. Geo sample 3 and 4 will be considered background groundwater samples. Water samples are assumed to be obtained at 5 feet and 25 feet. The 5 foot and 25 foot samples will be obtain to insure that sinkers and floaters can be analyzed if present.

A sediment sample (Sed 1) will also be obtained from this pond. Six (6) sediment samples (Sed 2 through Sed 7) will be obtained from the wetland area located at the southern edge of the site. Three of these sediments will be obtained from the top six (6) inches and three will be obtained from a depth of 24 inches at the same locations from where the shallow wetland sediments were obtained these wetland samples will determine if the adjacent wetlands have been impacted by the site. Two background wetland sediment samples (Sed 8 and Sed 9) will be obtained from the most eastern wetland area on the south side of the Calumet River. Sed 10 will be a duplicate of Sed 2.

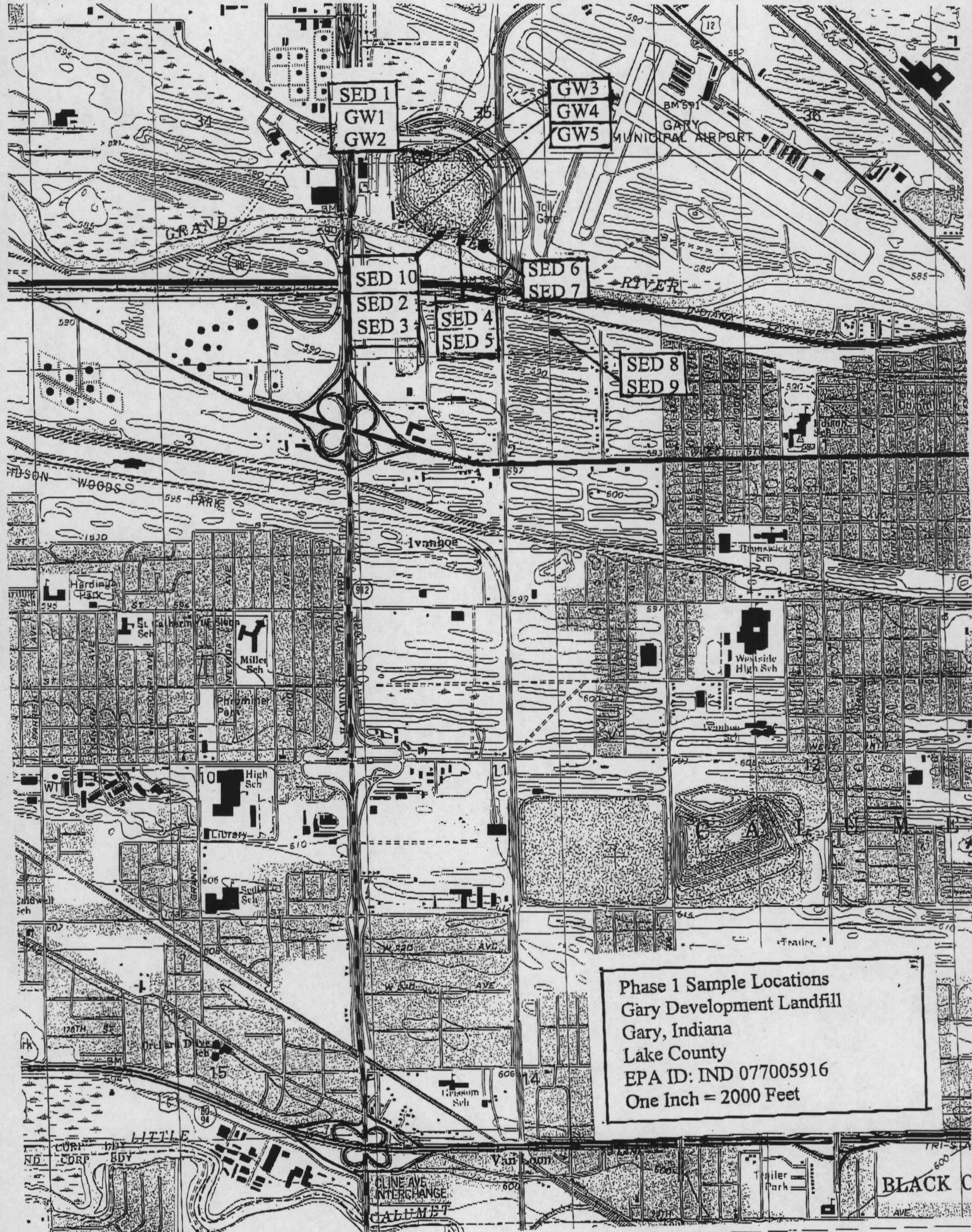
Sample Justification

Original

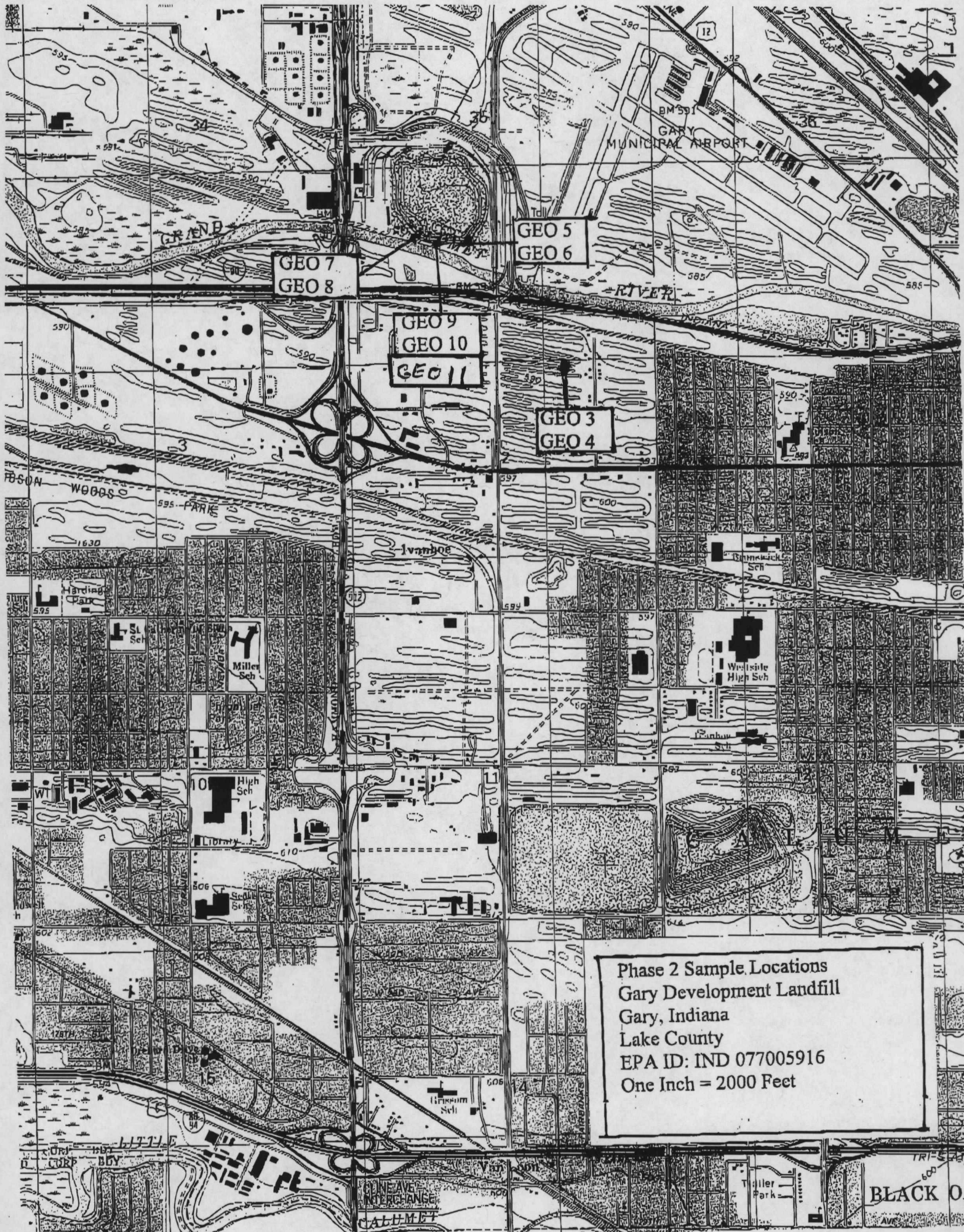
4/4/05
went out to
pits a
week a
go ago
no
seeps
found

Phase 1) Prior to any sampling, Site Investigation staff will walk the perimeter of the site and look for seeps at the site that may be draining into the wetlands south of and adjacent to the site. If seeps are observed, the water from the seeps will be sampled if sufficient water is present for a full scan analysis. Three seeps are assumed to exist. These Groundwater seeps will be referred to as GW1, GW2, and GW 3. After collecting the seep water, two background water samples (GW 4 and GW 5) will be obtained from the pond located at the north perimeter of the site. One sample will be obtained from the pond at a depth of less than or equal to 12 inches (GW4). The second water sample (GW 5) will be obtained from the bottom of the pond. A sediment sample (Sed 1) will also be obtained from this pond. Six (6) sediment samples (Sed 2 through Sed 7) will be obtained from the wetland area located at the southern edge of the site. Three of these sediments will be obtained from the top six (6) inches and three will be obtained from a depth of 24 inches at the same locations from where the shallow wetland sediments were obtained these wetland samples will determine if the adjacent wetlands have been impacted by the site. Two background wetland sediment samples (Sed 8 and Sed 9) will be obtained from the most eastern wetland area on the south side of the Calumet River. Sed 10 will be a duplicate of Sed 2.

Phase 2) If no seeps are present for a ground water sample or if there is not enough seep water sample for a full screening analysis during the Phase 1 approach, then a geoprobe will be mobilized to obtain the ground water samples. All samples addressed in the Phase 1, except for the seep samples, will be obtained during the Phase 1. Staff will obtain ground water samples using the geoprobe from 5 groundwater sample locations. The locations will be about 30 feet away from where the landfill was active according to historic/recent aerial photos. Groundwater is assumed to be quite shallow. Two water samples, one shallow and one deep is proposed from each sample location. Five Geoprobe groundwater sample locations are proposed. The groundwater samples obtained from the geoprobe are designated as Geo 1 through Geo 11. Geo 11 will be a duplicate of GEO sample 10. Water samples are assumed to be obtained at 5 feet and 25 feet. The 5 foot and 25 foot samples will be obtained to insure that sinkers and floaters can be analyzed if present.



Phase 1 Sample Locations
 Gary Development Landfill
 Gary, Indiana
 Lake County
 EPA ID: IND 077005916
 One Inch = 2000 Feet



Phase 2 Sample Locations
Gary Development Landfill
Gary, Indiana
Lake County
EPA ID: IND 077005916
One Inch = 2000 Feet

SUMMARY TABLE OF SAMPLING AND ANALYSIS PROGRAM

SAMPLE MATRIX	FIELD PARAMETERS	LABORATORY PARAMETERS	Sample No.	Field Dup.	Field Blank	MS/ MSD ^{2,3}	Matrix Total ⁴
Groundwater	pH temperature	CLP TCL VOC-OLC	11	1	1		13
	Specific conductance	CLP SVOC- OLC	11	1			12
	Organic vapor	CLP TCL pesticides/PCBs - OLC	11	1			12
	Screening with Hnu	CLP TAL Metals (filtered) - CRL					
		CLP TAL cyanide (total) - CRL	11	1			12
Surface water	pH, temperature	CLP TCL VOC-OLM					
	Specific conductance	CLP TCL SVOC- OLM					
		CLP TCL pesticides/PCBs - OLM					
		CLP TAL metals (unfiltered) -					
Surface Soils**	Soil gas screening using HNu/OVA	CLP TCL VOC-OLM	11	1	1		13
		CLP TCL SVOC-OLM	11	1			12
		CLP TCL pesticides/PCBs - OLM	11	1			12
		CLP TAL metals-ILM	11	1			12
		CLP TAL cyanide-ILM	11	1			12

1. The field quality control samples also include trip blank, which is required for VOA water samples. One trip blank, which consists of two 40-ml glass vials (preserved) for water samples is shipped in each cooler of VOA samples.

2. Additional sample volume for the matrix spike/matrix spike duplicate (MS/MSD) is required for organic analysis, except for the OLC SOW. Samples designated for MS/MSD analysis will be collected, with extra sample volumes, at a frequency of one per group of 20 or fewer investigative samples. Triple the normal sample volumes will be collected for VOAs, and double the normal sample volumes will be collected for SVOCs and pesticides and PCBs.

3. For inorganic analysis, no extra sample volume is required for the spike and duplicate analyses, however, samples for the spike and duplicate analysis should be identified on the field COC at a rate of one per group of 20 or fewer investigative samples.

**IDENTIFY HERE IF SAMPLES ARE COLLECTED USING ANY OF THE 5035 METHODS, i.e., IN METHANOL, OR IN ENCORE TUBES

4. The number of samples to be collected for MS/MSD are not included in the matrix total. The number of trip blank samples is also excluded from the matrix total.

SUMMARY OF PROCEDURES AND ADDITIONAL COMMENTS (Sample point selection method):

IDEM SITE INVESTIGATION & BROWNFIELDS PROGRAMS
SAMPLING EQUIPMENT LIST
(not inclusive)

<u>QTY.</u>	<u>ITEM</u>	<u>LOCATION</u>
Soil Sampling Equipment		
<u>1</u>	Geoprobe	NA
	Generator	NA
<u>3</u>	Vehicles (2 Suburbans: SI Pool)	IGC-N Garage 5 th Floor (Doug Fisher)
<u>1</u>	Vehicles (IDEM pool)	IGC-S Garage 5 th Floor (Nicole Kane)
	Other: _____	
Water Sampling Equipment		
	3/4" Teflon Bailer & Rope	Shadeland Warehouse
	(nylon, dedicated)	
	4" Teflon Bailer & Rope	Shadeland Warehouse
	(nylon, dedicated)	
	Filter Stand Apparatus	Shadeland Warehouse
	Filter Paper (.45 um)	Shadeland Warehouse
	Static Water Level Indicator	Shadeland Warehouse
<u>1</u>	Hydrolab (pH, SC, temp meter)	Shadeland Warehouse
	Hydac (pH, SC, temp)	Shadeland Warehouse
	Pond Sampler	Shadeland Warehouse
	Orion (pH meter)	Shadeland Warehouse
	Conductivity Meter	Shadeland Warehouse
	Bacon Bomb, Wildco	Shadeland Warehouse
	Other: _____	
Soil Sampling Equipment		
	Power Auger	Shadeland Warehouse
	Small Auger	Shadeland Warehouse
	Soil Core Sampler, Back-Saver	Shadeland Warehouse
	Stainless Steel Insert, Back-Saver	Shadeland Warehouse
	Auger Soil Sampler With "T" Handle	Shadeland Warehouse
	Soil Sampling Kit	Shadeland Warehouse
	Metal detector	IGC-N Dave Appel
	Coliwasa (disposable)	Shadeland Warehouse
	Grain Thief (granular solid sampler)	Shadeland Warehouse
	Other: _____	
Sludge Sampling Equipment		
	Sludge Core Sampler, Wildco (& inserts)	Shadeland Warehouse
	Shallow Sludge Sampler (PACS)	Shadeland Warehouse
	Acetate Zero Contamination Insert	Shadeland Warehouse
	Ponar Grab Dredge (9" X 9")	Shadeland Warehouse
	Steel Cable (For Dredge)	Shadeland Warehouse
	Trier Sampler	Shadeland Warehouse
	Ponar Grab, Wildco	Shadeland Warehouse
	Other: _____	

SAMPLING EQUIPMENT LIST
(not inclusive)
Continued

<u>QTY.</u>	<u>ITEM</u>	<u>LOCATION</u>
Drum Sampling Equipment		
_____	Flint Glass/Plastic Tube (____" ID)	Shadeland Warehouse
_____	Solvent/Waste Container	Shadeland Warehouse
_____	Other: _____	
Air Sampling Equipment		
1	HNu Photoionizer	Shadeland Warehouse
_____	Gastechtor	Shadeland Warehouse
_____	X-Met 840 X-Ray Fluorescence Analyzer	Shadeland Warehouse
_____	Geiger Counter	Shadeland Warehouse
_____	Span Gas Cylinder For Calibration Part #83-101-351	Shadeland Warehouse
_____	Regulator For Use With The Span Gas Cylinder	Shadeland Warehouse
_____	Calibration Kit For Gastechtor Model #1314	Shadeland Warehouse
_____	CGI & O ₂ Meter	Shadeland Warehouse
_____	Gastechtor (Model #1314, STK #72-0135)	Shadeland Warehouse
_____	Other: _____	
Pumps		
_____	Fultz Pump (portable well pump)	Shadeland Warehouse
_____	Keck Pump (1-portable, 2-auto battery)	Shadeland Warehouse
_____	Well Wizard Bladder Pump	Shadeland Warehouse
_____	Well Wizard Controller	Shadeland Warehouse
_____	Submersible Pump	Shadeland Warehouse
1	Peristaltic Pump	Shadeland Warehouse
_____	Other: _____	
Tools		
_____	Stainless Steel Spatula	Shadeland Warehouse
1	Post Hole Digger	Shadeland Warehouse
_____	Shovel (pointed tip)	Shadeland Warehouse
1	Plastic Scoop (disposable)	Shadeland Warehouse
_____	Metal (chrome plated) Trowel	Shadeland Warehouse
10	Stainless Steel Trowel	Shadeland Warehouse
2	100 ft. Steel Tape Measure	Shadeland Warehouse
_____	Rock Pick (20 oz. Chisel Edge)	Shadeland Warehouse
3	Tool Box	Shadeland Warehouse
2	Stainless Steel Bucket	Shadeland Warehouse
_____	Stainless Steel Pouring Beaker	Shadeland Warehouse

<u>QTY.</u>	<u>ITEM</u>	<u>LOCATION</u>
Tools (cont.)		
	Plastic Bucket	Shadeland Warehouse
	Weed Whip	Shadeland Warehouse
	Rope	Shadeland Warehouse
	Other: _____	
.		
4	Walkie Talkies	IGC-N
	Radio Head Set w/Throat Mikes	
	Cell phone(s)	IGC-N Faye Barrett
	Other: _____	
Personal Protection Equipment		
	Self-Contained Breathing Apparatus	Shadeland Warehouse
	MSA Custom 4500 Air Mask	Shadeland Warehouse
	Air Cylinder	Shadeland Warehouse
	Ultravue Face Piece	Shadeland Warehouse
	MSA or SCOTT Respirator	Field Bag
	(Ultra-Twin, Full Face)	
	MSA or SCOTT Respirator Cartridges	Shadeland Warehouse
20	Other: P95	Shadeland Warehouse
Clothing		
	Saran X Level C Outerwear	SW/Field Bag
20	Boot Covers NUKE BOOT 2W (pairs)	SW/Field Bag
	Gloves (disposable Nitril, latex, pairs)	SW/Field Bag
3	Hard Hat	Field Bag
	Other: _____	
Packing/Shipping		
12	Cooler	Shadeland Warehouse
X	Ice	Shadeland Warehouse
	Padding Material for Coolers	Shadeland Warehouse
X	Duct Tape	SW/Field Bag
X	Plastic Trash Bags & Baggies	SW/Field Bag
5	Clipboard	Field Bag
X	Paperwork	Office
	(Placards, Sample Sheets, Chain of Custody)	
X	Maps (State, City, Site)	Office/Field Bag
X	Pens, Permanent Markers	Office

<u>QTY.</u>	<u>ITEM</u>	<u>LOCATION</u>
Packing/Shipping (cont.)		
X	Custody Seals	EPA/Mark Jaworski
X	Labels	EPA/Mark Jaworski
2	Personal Copier & Toner Cartridge	NA
	Stretch Film Dispenser	Shadeland Warehouse
1 box	CLP Forms	EPA/Mark Jaworski
2	Laptop Computer/Printer	IGC-N Faye Barrett
X	Packing Tape/Dispenser	Sandy Bardes
2	Tax Exemption Form	Office
	Other: _____	

Decontamination		
	Decon Tub	Shadeland Warehouse
	Decon Brush	Shadeland Warehouse
	Sheet Plastic	Shadeland Warehouse
	Alconox	Shadeland Warehouse
	Paper Towels	SW/Field Bag
	Pressure Sprayer (w/ DI Water)	Shadeland Warehouse
	Other: _____	

Safety		
	Fire Extinguisher	Shadeland Warehouse
	Field Bag (includes First Aid Supplies)	Office
2	Eye Wash	Shadeland Warehouse
	Other: _____	

Bottles		
1 box	40-ml VOA Bottles/Vials	Shadeland Bottle
Room/MJ		
1 box	1-L Plastic Containers	Shadeland Bottle
Room/MJ		
3 boxes	1-L Amber Glass Bottles (Wide Mouth)	Shadeland Bottle
Room/MJ		

3 boxes	1-L Amber Glass Bottles(Narrow Mouth)	Shadeland Bottle
---------	---------------------------------------	------------------

Room/MJ

250-ml Amber

Shadeland Bottle Room/MJ

Other: _____

Other

.
____ 5L Carrying Bag
5 Camera (35mm) & Case
X Film
____ Digital Camera
____ 3 1/2 " Disks
____ Flashlight (w/Batteries)
____ Other: _____

IGC-N Doug Fisher
IGC-N Pat Beeler
IGC-N Faye Barrett
Office
Field Bag

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Search by Category or Business Name (e.g. Hotel or Holiday Inn)

Location: ★ 479 Cline /
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Sponsored Businesses

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Show
Pr

Business Name:

Address:

US Fugitive Recovery Bureau
(630) 330-2447 [Web Site](#)

22525 Riverside Drive
Richton Park, IL [Map](#)

All Businesses

Showing
Pr

Business Name:

Address:

East Chicago Police Dept
(219) 391-8400

2301 E Columbus Dr
East Chicago, IN [Map](#)

Lake County Sheriff
(219) 398-2441

3711 Main St
East Chicago, IN [Map](#)

Hammond Police Dept
(219) 845-2214

3432 1/2 169th St
Hammond, IN [Map](#)

Hammond Civil Defense
(219) 853-6393

811 Lyons St
Hammond, IN [Map](#)

Hammond Civil Defense
(219) 853-6393

5911 S Calumet Ave
Hammond, IN [Map](#)

Hammond Police Dept
(219) 853-6310

5925 S Calumet Ave # 115
Hammond, IN [Map](#)

Gary Police Dept
(219) 881-1260

555 Polk St
Gary, IN [Map](#)

Police Dept-Hlt & Run Div
(219) 881-1217

555 Polk St
Gary, IN [Map](#)

Columbia Center Police
(219) 844-7794

1336 Columbia Ct
Hammond, IN [Map](#)

Hammond City Police Dept
(219) 853-6544

509 Douglas St
Hammond, IN [Map](#)

US Marshal Dept
(219) 937-5229

507 E State St
Hammond, IN [Map](#)

US Drug Enforcement Adm
(219) 937-5321

507 E State St
Hammond, IN [Map](#)

US Marshal Court Security
(219) 932-9520

507 E State St
Hammond, IN [Map](#)

Highland Police Dept
(219) 838-3184 [Web Site](#)

3333 Ridge Rd # 3
Highland, IN [Map](#)

Lake County Sheriff's Office
(219) 933-2870

232 E Russell St
Hammond, IN [Map](#)

Gary Police Civil Svc Comm
(219) 882-4319

900 Madison St
Gary, IN [Map](#)

Lake County Sheriff's Ofc
(219) 886-3621

15 W 4th Ave
Gary, IN [Map](#)

Lake County Sheriff's Ofc
(219) 886-3621

400 Broadway
Gary, IN [Map](#)

Highland Civil Defense
(219) 924-5602

9201 Liable Rd
Highland, IN [Map](#)

** Distances are in Miles from 479 Cline Ave, Gary, IN


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[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) [all](#)

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SEARCH:
(by name or category)

Locations: 
(Address, Intersection or Airport Code)

Address:

Tip: If you specify an address,
we will search for businesses

<http://yp.yahoo.com/py/ypResults.py?&&city=Gary&state=IN&zip=46406-1049&uzip=464...> 3/15/05

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Search by Category or Business Name (e.g. Hotel or Holiday Inn)

Location: ★ 479 Cline /

[Save Location](#) | [Char](#)[Top](#) > [Community](#) > [Government](#) > [Fire Protection](#)

All Businesses

Showing
Pr

Business Name:

Address:

[Garyregional Airport Fire Dept](#)
(219) 949-90346051 Industrial Hwy
Gary, IN [Map](#)[Gary Fire Dept](#)
(219) 949-51396051 Industrial Hwy
Gary, IN [Map](#)[Gary Fire Dept](#)
(219) 949-9152761 Clark Rd
Gary, IN [Map](#)[East Chicago Fire Dept](#)
(219) 391-84723901 Indianapolis Blvd
East Chicago, IN [Map](#)[Gary Fire Dept](#)
(219) 881-14082800 W 5th Ave
Gary, IN [Map](#)[Gary Fire Dept](#)
(219) 977-04891200 Roosevelt St
Gary, IN [Map](#)[Robertsdale Fire Dept](#)
(219) 853-65505925 S Calumet Ave
Hammond, IN [Map](#)[Hammond Indiana Fire Dept](#)
(219) 853-64166110 S Calumet Ave
Hammond, IN [Map](#)[Gary Fire Dept](#)
(219) 881-14061201 W 5th Ave
Gary, IN [Map](#)[Gary Fire Dept](#)
(219) 881-4782555 Polk St
Gary, IN [Map](#)[Highland Fire Dept](#)
(219) 923-98762901 Highway Ave
Highland, IN [Map](#)

Gary Fire Prevention & Inspctn
(219) 881-5221

200 E 5th Ave
Gary, IN [Map](#)

Gary Fire Chief
(219) 881-5252

200 E 5th Ave
Gary, IN [Map](#)

Calumet City Fire Dept
(708) 891-8146

684 Wentworth Ave
Calumet City, IL [Map](#)

Whiting Fire Dept
(219) 659-1069

1916 Schrage Ave
Whiting, IN [Map](#)

Gary Ems Director
(219) 881-5285

1301 Broadway
Gary, IN [Map](#)

Munster Fire Dept
(219) 836-6600

1007 Ridge Rd
Munster, IN [Map](#)

Gary Fire Dept
(219) 881-1404

330 W 25th Ave
Gary, IN [Map](#)

Highland Town Fire Dept
(219) 924-7878

2647 45th St
Highland, IN [Map](#)

Gary Fire Dept
(219) 881-1412

1901 Mississippi St
Gary, IN [Map](#)

** Distances are in Miles from 479 Cline Ave, Gary, IN

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(Optional)

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Your Search:

Search by Category or Business Name (e.g. Hotel or Holiday Inn)

Location: ★ 479 Cline /
[Save Location](#) | [Char](#)

Top > Community > Emergency Services > Ambulance Service

All Businesses

Show/Pr

Business Name:

Address:

Superior Ambulance
(219) 923-9199

2611 Garfield Ave # A
Highland, IN [Map](#)

Superior Air-Ground Ambulance
(708) 832-2000

Calumet City, IL [Map](#)

Prompt Medical Transportation
(219) 838-4444

9835 Express Dr
Highland, IN [Map](#)

Prompt Ambulance Svc
(219) 924-4679

9835 Express Dr
Highland, IN [Map](#)

Lake Station Ambulance Svc-Ems
(219) 962-4689

4325 Liverpool Rd
Lake Station, IN [Map](#)

Floyde's Transportation Svc
(708) 849-0000

Dolton, IL [Map](#)

Bud's Ambulance Svc
(708) 849-0945

Riverdale, IL [Map](#)

Scr Medical Transportation
(773) 768-7000

8801 S Greenwood Ave
Chicago, IL [Map](#)

Family Mobile Medical Svc
(219) 736-8820

1370 E 86th Pl
Merrillville, IN [Map](#)

Ambulance Superior
(773) 324-1830

7229 S South Chicago Ave
Chicago, IL [Map](#)

Crown Point Ambulance
(219) 662-3235

57 E Clark St
Crown Point, IN [Map](#)

E R Ambulance Inc
(773) 723-1575

7427 S Ashland Ave
Chicago, IL [Map](#)

Handicapped Transportation Svc
(708) 535-3833

5133 158th St
Oak Forest, IL [Map](#)

Early Arrival Medical
(773) 268-8220

3728 S Parnell Ave
Chicago, IL [Map](#)

Southwest Central Dispatch
(708) 448-6180

7611 W College Dr
Palos Heights, IL [Map](#)

Midwest Holst & Power Crane
(708) 633-8800

8080 185th St
Tinley Park, IL [Map](#)

Ati Ambulance
(708) 802-8101

8200 185th St # N
Tinley Park, IL [Map](#)

Advantage Ambulance
(847) 413-1133

8200 185th St # N
Tinley Park, IL [Map](#)

Trace Ambulance Inc
(708) 532-0088

8400 183rd Pl
Tinley Park, IL [Map](#)

Aacis Advanced Air
(312) 201-0192

Chicago, IL [Map](#)

** Distances are in Miles from 479 Cline Ave, Gary, IN

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---none selected 

(Address, Intersection or Airport Code)

Address:

479 Cline Ave

(Optional)

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closest to that address.

City, State or Zip:

Gary IN 46406-1049

Yahoo! Driving Directions

Starting from: **A** 479 Cline Ave, Gary, IN 46406-1049

Arriving at: **B** St Catherine Hospital 4321 Fir St, East Chicago, IN 46312 (219) 392-1700

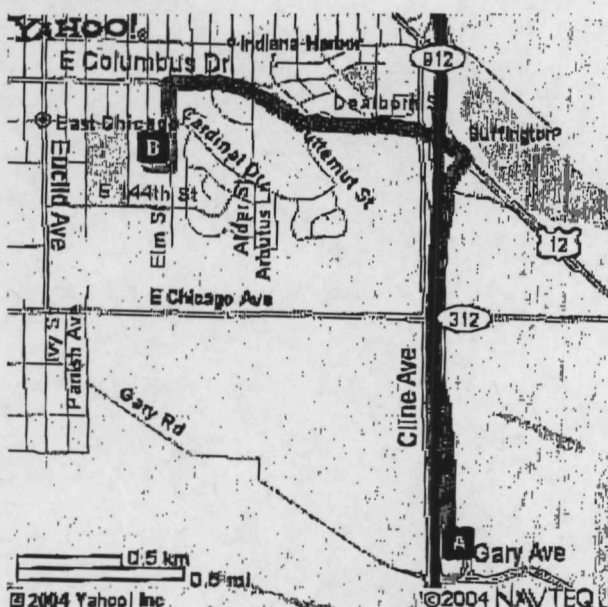
Distance: 2.5 miles Approximate Travel Time: 6 mins

Your Directions

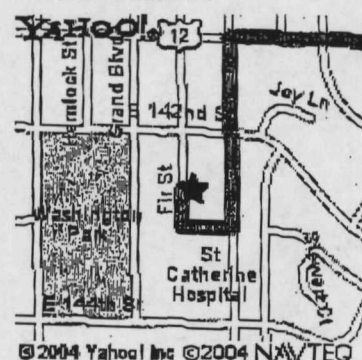
1.	Starting at on CLINE AVE going towards 7A - go 0.4 mi
2.	Take CLINE AVE/IN-912 NORTH - go 0.4 mi
3.	Take exit #6 towards COLUMBUS DR. - go 1.2 mi
4.	Turn L on ELM ST - go 0.2 mi
5.	Turn R on E 143RD ST - go 0.1 mi
6.	E 143RD ST becomes FIR ST - go 0.1 mi
7.	Arrive at St Catherine Hospital

When using any driving directions or map, it's a good idea to do a reality check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning.

Your Full Route



Your Destination



Address:
St Catherine Hospital 4321 Fir St
East Chicago, IN 46312

Yahoo! Driving Directions

Starting from: **A** 479 Cline Ave, Gary, IN 46406-1049

Arriving at: **B** Gary Health Dept 1145 W 5th Ave, Gary, IN 46402 (219) 882-5565

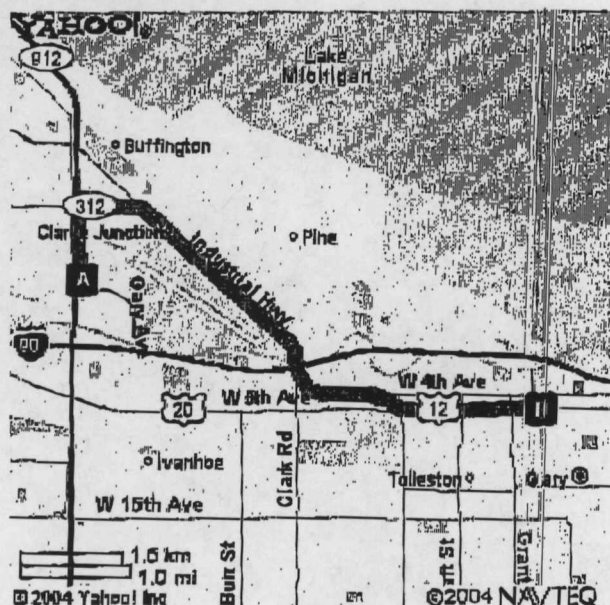
Distance: 5.7 miles Approximate Travel Time: 11 mins

Your Directions

1.	Starting at on CLINE AVE going towards 7A - go 0.7 mi
2.	Turn R on IN-312 EAST - go 0.6 mi
3.	Bear R on US-12 - go 2.9 mi
4.	Bear R on CHASE ST - go 0.3 mi
5.	Bear L on US-20 EAST - go 1.3 mi
6.	Arrive at Gary Health Dept

When using any driving directions or map, it's a good idea to do a reality check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning.

Your Full Route



Your Destination



Address:
Gary Health Dept 1145 W 5th Ave
Gary, IN 46402

Yahoo! Driving Directions

Starting from: **A** 479 Cline Ave, Gary, IN 46406-1049

Arriving at: **B** Methodist Hospitals 650 Grant St, Gary, IN 46404 (219) 886-4209

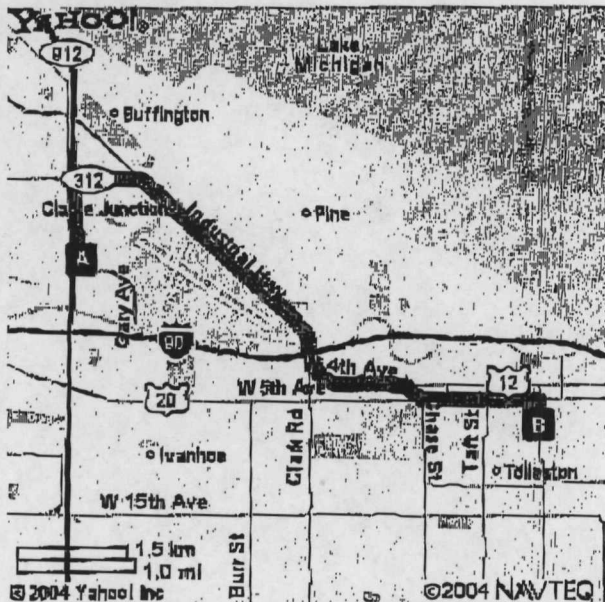
Distance: 5.6 miles Approximate Travel Time: 11 mins

Your Directions

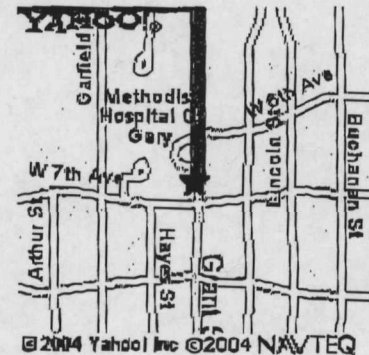
1.	Starting at on CLINE AVE going towards 7A - go 0.7 mi
2.	Turn R on IN-312 EAST - go 0.6 mi
3.	Bear R on US-12 - go 2.9 mi
4.	Bear R on CHASE ST - go 0.3 mi
5.	Bear L on US-20 EAST - go 1.0 mi
6.	Turn R on GRANT ST - go 0.2 mi
7.	Arrive at Methodist Hospitals

When using any driving directions or map, it's a good idea to do a reality check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning.

Your Full Route



Your Destination



Address:
Methodist Hospitals 650 Grant St
Gary, IN 46404

Yahoo! Driving Directions

Starting from: **A** 479 Cline Ave, Gary, IN 46406-1049

Arriving at: **B** St Catherine Hospital 4321 Fir St, East Chicago, IN 46312 (219) 392-1700

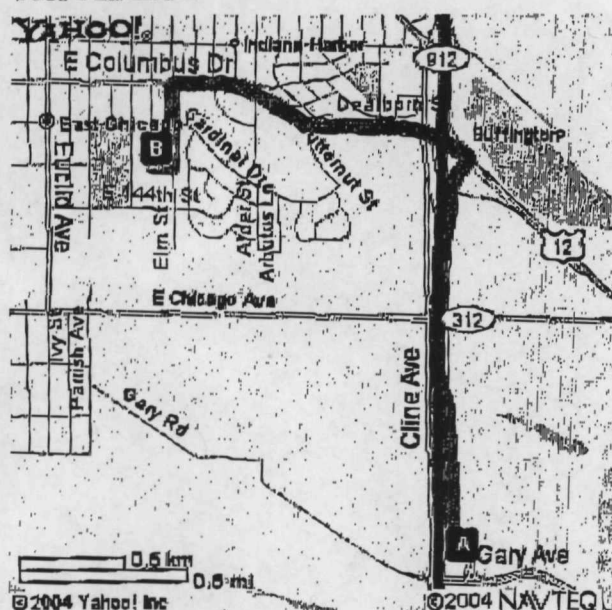
Distance: 2.5 miles Approximate Travel Time: 6 mins

Your Directions

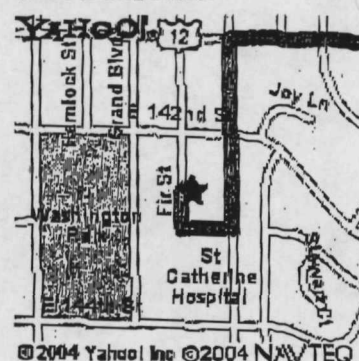
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2.	Take CLINE AVE/IN-912 NORTH - go 0.4 mi
3.	Take exit #6 towards COLUMBUS DR. - go 1.2 mi
4.	Turn L on ELM ST - go 0.2 mi
5.	Turn R on E 143RD ST - go 0.1 mi
6.	E 143RD ST becomes FIR ST - go 0.1 mi
7.	Arrive at St Catherine Hospital

When using any driving directions or map, it's a good idea to do a reality check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning.

Your Full Route



Your Destination



Address:
St Catherine Hospital 4321 Fir St
East Chicago, IN 46312